

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. $33^{\circ} 54' 22''$ N.

LONG. E. FROM GREENWICH $35^{\circ} 28' 10''$

MARCH 1953

ROBERT W. SLOANE, DIRECTOR

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MARCH 1953

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	22:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	56.1	56.3	58.6	57.0	12.7	6.9	6.7	10.4	10.9	9.3
2	61.9	61.1	62.2	61.9	13.5	7.4	9.1	12.6	8.6	10.1
3	62.2	60.7	61.2	61.4	14.7	7.8	10.0	14.3	9.9	11.4
4	59.6	58.5	60.1	59.4	12.4	8.6	10.2	9.6	9.7	9.8
5	63.1	63.6	63.8	63.5	14.8	9.5	11.4	14.6	10.6	12.2
6	63.2	61.0	59.8	61.3	14.6	8.9	13.1	13.7	12.7	13.2
7	54.4	54.8	56.5	55.2	12.9	7.2	9.4	12.4	10.0	10.6
8	64.1	65.5	67.6	65.7	15.0	9.8	10.1	13.6	11.8	11.8
9	67.5	65.5	64.9	66.0	17.1	13.6	13.0	15.6	14.9	14.5
10	62.5	60.0	59.1	60.5	20.7	15.4	16.8	20.3	16.3	17.8
11	55.9	55.9	56.9	56.2	21.4	11.4	18.6	19.4	15.7	17.9
12	57.3	58.0	61.3	58.9	14.8	8.5	13.9	14.2	13.0	13.7
13	65.2	65.5	66.4	65.7	14.4	9.7	11.9	14.0	11.2	12.4
14	65.8	65.1	64.6	65.2	14.2	10.1	11.9	11.8	10.7	11.5
15	63.3	63.8	64.9	64.0	13.8	7.3	12.4	12.7	10.4	11.8
16	65.5	64.6	64.9	65.0	14.4	8.3	11.6	13.3	10.8	11.9
17	63.0	60.6	58.5	60.7	16.2	10.6	12.5	15.6	14.3	14.1
18	55.6	57.9	59.6	57.7	16.6	9.7	14.9	15.0	12.2	14.0
19	60.0	59.2	57.8	59.0	15.6	8.7	11.3	14.4	10.3	12.0
20	58.8	59.4	59.8	59.3	14.4	9.7	12.2	11.1	10.3	11.2
21	60.1	60.5	61.7	60.8	16.4	7.4	13.5	12.0	9.7	11.7
22	62.2	61.1	62.6	62.0	12.3	5.6	8.2	11.6	8.3	9.4
23	62.7	64.0	64.3	63.7	11.8	7.1	7.8	7.2	11.0	8.7
24	64.5	65.1	67.8	65.8	14.4	7.8	9.8	12.9	9.4	10.7
25	70.9	70.3	70.4	70.5	16.1	9.4	12.8	15.4	12.0	13.4
26	70.0	68.7	68.2	69.0	16.7	10.4	13.9	16.0	12.8	14.2
27	67.3	65.3	65.4	66.0	19.7	14.6	14.9	18.1	16.0	16.3
28	64.6	64.7	66.2	65.2	21.6	14.1	19.2	20.5	17.6	19.1
29	65.1	64.0	63.9	64.3	19.6	18.4	16.7	19.2	17.2	17.7
30	61.0	60.5	59.7	60.4	20.6	15.2	17.8	18.9	17.2	18.0
31	58.4	55.0	55.6	56.3	24.0	16.5	20.0	23.2	23.1	22.1
	62.32	61.83	62.40	62.18	16.04	10.18	12.76	14.63	12.54	13.31

Barometer, range for month 770.9 mm. — 754.4 mm.

„ 71-yr. average for month 761.187 mm.

Thermometer, range for month 24.0°C — 5.6°C

„ 71-yr. average for month 16.16°C

Rain total for month 242.82 mm.

„ 71-yrs average for month 92.54 mm.

„ Total, Sept. 1st. to end of month 1008.35 mm.

„ 71-yrs. average. Sept. 1st. to end of month 814.84mm.

MARCH 1953

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	9.4	9.6	7.9	9.0	95	76	60	77	4.2	1107.0	27.68
2	9.7	10.1	10.3	10.0	86	68	97	84	1.3	444.0	9.91
3	10.1	10.1	8.8	9.7	83	61	73	72	6.2	330.0	7.62
4	10.1	11.0	9.7	10.3	84	94	84	87	3.3	283.0	24.13
5	8.3	7.8	10.1	8.7	62	49	80	64	9.6	422.0	0.25
6	10.1	11.9	11.4	11.1	68	74	79	74	2.0	998.0	24.39
7	10.5	7.9	7.1	8.5	88	56	59	68	1.3	1003.0	40.38
8	8.8	10.1	9.2	9.4	73	65	68	69	5.2	227.0	4.32
9	8.7	10.1	12.5	10.4	59	57	73	63	3.7	389.0	
10	11.2	11.6	10.2	11.0	58	48	56	54	4.0	127.0	
11	14.9	15.1	12.1	14.0	72	66	70	69	7.8	808.0	
12	8.7	8.7	8.3	8.6	54	55	56	55	4.5	1313.0	15.49
13	7.9	8.3	8.3	8.2	58	52	62	57	6.7	219.0	6.10
14	9.2	12.3	10.9	10.8	68	91	86	82	1.6	661.0	11.43
15	9.2	8.3	6.7	8.1	66	54	52	57	6.6	665.0	4.57
16	6.6	7.0	7.5	7.0	47	46	60	51	9.2	452.0	
17	8.3	9.7	10.1	9.4	59	55	62	59	6.7	505.0	
18	10.6	11.5	11.0	11.0	62	67	76	68	4.3	286.0	3.81
19	11.8	10.1	10.1	10.7	93	63	83	80	4.9	888.0	26.42
20	9.2	10.5	9.6	9.8	65	79	79	74	2.7	431.0	7.87
21	9.2	10.1	9.2	9.5	61	71	76	69	2.5	378.0	2.29
22	9.3	9.6	8.5	9.1	83	70	77	77	2.2	602.0	19.05
23	7.3	9.0	6.6	7.6	67	92	51	70	2.6	467.0	5.84
24	9.2	9.6	8.0	8.9	76	65	68	70	7.3	417.0	1.27
25	7.0	8.8	8.7	8.2	46	50	63	53	9.9	179.0	
26	8.3	9.7	9.6	9.2	53	52	66	57	10.0	158.0	
27	10.1	11.8	13.1	11.7	60	58	72	63	8.6	129.0	
28	11.4	12.6	12.8	12.3	53	52	63	56	8.1	92.0	
29	12.6	16.1	14.2	14.3	68	75	71	71	5.4	492.0	
30	15.9	15.5	13.7	15.0	79	72	69	73	1.3	219.0	
31	13.6	15.3	11.4	13.4	60	54	42	52	8.4	290.0	
	9.91	10.64	9.92	10.16	67.9	64.1	68.8	66.9	5.23	483.26	7.83

Height of Barometer above sea level : 33.7 meters.

" " Thermometers above ground :

Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.

Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T

71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10ni	10ni	10cu-ni	10.0	1s	5sw	4w	mod.	W., all day
2	10cu-ni	10cu-ni	10ni	10.0	1sw	2sw	3nw	slight	
3	4cu	8cu	3cu	5.0	2s	1n	1s	light	
4	9cu-ni	10ni	7cu-ni	8.7	1s	1n	0	"	
5	7cu	4cu	10ni	7.0	1se	2w	0	"	
6	5cist	10cu-ni	8cu-ni	7.7	3sw	4sw	4w	slight	W., all day
7	10cu-ni	10cu-ni	9cu-ni	9.7	3sw	5sw	4w	mod.	
8	10cu-ni	8cu-ni	8ci-st	8.7	1se	3w	2ne	slight	
9	10ci-st	10st	10st	10.0	1ne	3n	3n	light	
10	10ni	8cu-ci	0	6.0	1sw	1e	0	"	Tr., a.m.
11	10cu-st	2ci-st	3st	5.0	1s	2sw	2w	light	Haze., p.m.
12	9cu-ni	8cu-ni	7cu-ni	8.0	5w	5w	5w	rough	W., all day T.p.m.
13	7cu-ci	1cu	9cu	5.3	1n	2n	0	mod.	
14	10ni	10cu-ni	8cu-st	9.3	1sw	2sw	1sw	light	
15	8cu-ci	10cu-ni	0	6.0	4n	3n	3n	slight	
16	0	6ci	0	2.0	1n	3n	2n	light	
17	9ci	10cist	10cu-ni	9.7	1e	2ne	2ne	"	
18	9cu-st	9cu-st	2cu	6.7	1e	3w	1w	"	
19	10cu-ni	5cu	9cu-ni	8.0	2sw	2w	3sw	"	W., p.m.
20	8cu-ni	10cu-ni	9cu-ni	9.0	4w	2se	1sw	"	
21	4cu	10cu-ni	6cu-ni	6.7	1sw	2s	1w	light	Tr., A.M.
22	10ni	10cu-ni	10cu-ni	10.0	1ne	1nw	5n	"	
23	10cu-ni	10ni	10cu-ni	10.0	2e	1e	3n	"	
24	9cu-ni	7cu	0	5.3	2se	2e	2n	"	
25	0	0	0	0.0	1se	2n	1n	"	
26	0	0	0	0.0	1e	2ne	1n	light	
27	2ci	8st	10cu-st	6.7	0	1se	1w	"	H., a.m.
28	9ci	2st	10cu-st	7.0	0	1e	0	"	
29	10cu-ni	4cu-st	9cu-st	7.7	3ne	3ne	3ne	sligh	Trace., a.m. H. p.m.
30	10cu-st	10st	0	6.7	2sw	2w	1e	light	H., all day
31	0	1cu	8ci-st	3.0	2e	1e	3s	"	
mean				6.93					

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew.
W = strong wind; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	3	3	5	4	4	8	2	0	2	31
14:30	7	3	5	2	1	6	6	1	0	31
20:30	8	3	1	0	2	3	8	1	5	31
Total	18	9	11	6	7	17	16	2	7	93

Number of days with rain 19, fog 0, thunderstorms 1, gale 0.

71 yr. av. number of days with rain during month 10.76